

# Converting Colors

CIELCh(17, 28.451, 330.321)

Have a look what the booklet for  
CIELCh(17, 28.451, 330.321)  
contains.

<b>CIELCh(17, 28.175, 330.371)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(17, 28.175, 330.371)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	421B3E
RGB	66, 27, 62
RGB Percent	26%, 11%, 24%
CMY	0.7406, 0.8936, 0.7563
CMYK	0.00, 0.59, 0.06, 0.74
HSL	306°, 42%, 18%
HSV	306°, 59%, 26%
XYZ	3.5244, 2.3023, 4.8355
YIQ	42.6510, 12.0090, 19.1530

# Conversions

## Conversions Part 2

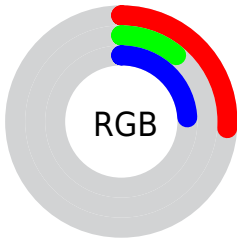
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	66, 27, 62
Decimal	4332350
CIE <sub>Lab</sub>	17.00, 24.49, -13.93
CIE <sub>LCh</sub>	17, 28.175, 330.371
Yxy	2.3023, 0.3306, 0.2159
Android (android.graphics.Color)	4282522430 (0xFF421B3E)
YUV	42.6510, 9.5391, 20.4771
Hunter-Lab	15.1734, 14.9077, -8.2734

# Details

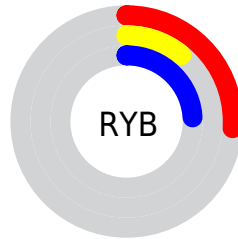
The CIELCh color **17, 28.175, 330.371** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 28.385, 142.858**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 28.026, 329.916**, and **2, 10.329, 322.516** is the 20% darker color. If you saturate the color by 10%, you get **16, 32.068, 330.856**, and if you desaturate by 10%, it is **19, 23.813, 329.870**.

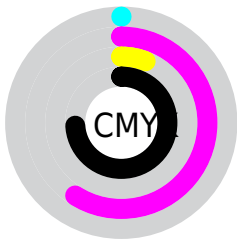
# Distribution



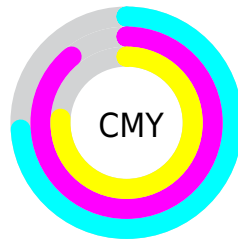
- Red (26%)
- Green (11%)
- Blue (24%)



- Red (26%)
- Yellow (11%)
- Blue (24%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (74%)




- Cyan (74%)
- Magenta (89%)
- Yellow (76%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 17, 28.175, 330.371 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 17, 28.175, 330.371 by changing the saturation by 10% instead.




 17, 28.175,  
330.371


 17, 28.175,  
330.371


 100, 28.175,  
330.371


 7, 28.175, 330.371


 37, 28.175,  
330.371

 0, 28.175, 330.371

 47, 28.175,  
330.371


 57, 28.175,  
330.371


 67, 28.175,  
330.371


 77, 28.175,  
330.371


 87, 28.175,


330.371


 97, 28.175,  
330.371


 17, 28.175,  
330.371


 17, 28.175,  
330.371


 16, 32.068,  
330.856


 19, 23.813,  
329.870

 14, 35.335,  
331.321


 20, 19.138,  
329.355

 14, 37.921,  
331.766

 22, 14.280,  
328.834

 13, 40.560,  
332.187

 24, 9.342, 328.310

 12, 40.845,  
332.229

 26, 4.399, 327.780

 28, 0.493, 147.566

■ 30, 5.301, 146.838

■ 33, 10.002,  
146.352

■ 35, 14.584,  
145.892

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17, 28.175, 330.371



24, 28.385, 142.858

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17, 28.175, 330.371



17, 28.175, 20.371



17, 28.175, 150.371



17, 28.175, 200.371

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17, 28.174, 330.371



32, 11.096, 328.299



12, 28.065, 300.334



15, 7.592, 328.371



70, 0.009, 296.813



18, 0.003, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17, 28.174, 330.371



21, 40.598, 331.095



16, 20.999, 355.894



12, 2.730, 327.755



21, 52.740, 332.490



52, 96.708, 332.858



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17, 28.174, 330.371



21, 40.598, 331.095



25, 19.048, 163.697



12, 2.730, 327.755



21, 52.740, 332.490



52, 96.708, 332.858



# Previews

## White Background



This preview shows how the CIE LCh color 17, 28.175, 330.371 looks on a white background.

## Color Contrast Check

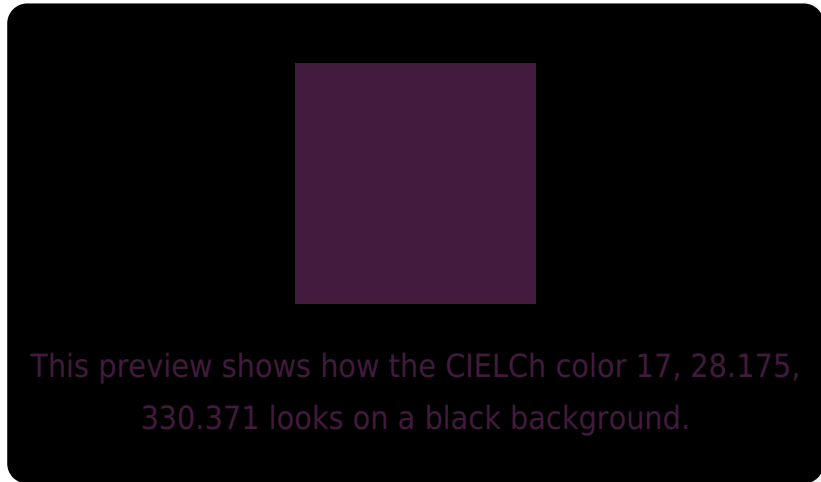
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

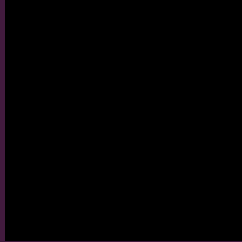
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 17, 28.175, 330.371

## Background



This preview shows how black text looks on a background with the CIELCh color 17, 28.175, 330.371.



This preview shows how white text looks on a background with the CIELCh color 17, 28.175, 330.371.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

17, 28.175, 330.371

### Protanopia

18, 23.024, 284.500

### Deuteranopia

17, 12.582, 284.209





**Tritanopia**  
17, 14.935, 18.189

# Trichromacy



**Original Color**  
17, 28.175, 330.371

**Protanomaly**  
17, 23.104, 300.308

**Deuteranomaly**  
17, 17.391, 309.386

**Tritanomaly**  
17, 17.725, 352.012

# Monochromacy



**Original Color**  
17, 28.175, 330.371

**Achromatopsia**  
18, 0.003, 296.813

**Achromatomaly**  
17, 11.114, 327.722

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 17, 28.175, 330.371 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(66, 27, 62)` looks like.

```
.text, #text, p{  
    color:rgb(66, 27, 62)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(66, 27, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 27, 62) }
```

## Border

The CSS property to change the border of an element to CIELCh 17, 28.175, 330.371 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 27, 62) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(66, 27, 62) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(66, 27, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 27, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 27, 62);  
box-shadow:4px 4px 4px 4px rgb(66, 27, 62)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 17, 28.175, 330.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 27, 62) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(66, 27,  
62) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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